AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for providing concurrency control for a policy-based management system/that controls resources in a distributed computing system, the method comprising: receiving a request to perform an operation on a lockable resource from a 4 5 controller in the distributed computing system, wherein the lockable resource presents one or more independent locks providing access to independent sub-units 6 of the resource and wherein the one or more independent locks allow multiple 7 controllers to lock independent sub-units of the lockable resource independently; 8 9 wherein the controller and a policy governing the controller comprise a lockable resource, whereby a policy may control a lock on a second policy and the 10 second policy may control a lock on a lockable resource; 11 12 wherein the controller sends the request in order to enforce a first policy for controlling resources in the distributed computing system; 13 determining whether the controller holds a lock on the lockable resource; 14 allowing the controller to execute the operation on the lockable resource if 15 the controller holds the lock on the lockable resource; 16 17 allowing the controller to acquire the lock if the controller does not hold

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the lock on the lockable resource; and

allowing the controller to execute the operation on the lockable resource if the controller acquires the lock

2. (Original) The method of claim 1, wherein the first policy is configured to command resources in the distributed computing system to perform actions so that the distributed computing system operates in accordance with a rule that is enforced by the first policy, wherein the rule governs behavior of resources within the distributed computing system.

1	3. (Original) The method of claim 1, further comprising throwing an
2	exception if the controller does not hold the lock on the lockable resource and if
3	the controller does not acquire the lock.
1	4. (Original) The method of claim 1, wherein the lock held on the lockable
2	resource expires after a pre-specified lease period, unless the lease is renewed
3	within the pre-specified lease period.
1	5. (Original) The method of claim 1, wherein the lockable resource
2	includes a resource within the distributed computing system.
1	6. (Original) The method of claim 1, wherein the lockable resource
2	includes a second policy for controlling resources in the distributed computing
3	system.
1	7. (Original) The method of claim 1, wherein the controller includes a
2	client in the distributed computing system.
1	8. (Original) The method of claim 1, wherein the controller includes the
2	first policy for controlling resources in the distributed computing system.
1	9. (Original) The method of claim 1, wherein the controller includes a
2	higher-level policy for controlling resources in the distributed computing system,
3	and wherein the lockable resource includes a lower-level policy for controlling
4	resources in the distributed computing system.

	11. (Cancelled)	
1	12. (Currently amended) A computer-readable storage medium	storing
2	instructions that when executed by a computer cause the computer to	perform a
3	method for providing concurrency control for a policy-based managen	nent system
4	that controls resources in a distributed computing system, the method	comprising:
5	receiving a request to perform an operation on a lockable resor	irce from a
6	controller in the distributed computing system, wherein the lockable re	esource
7	presents one or more independent locks providing access to independent	ent sub-units
8	of the resource and wherein the one or more independent locks allow	multiple
9	controllers to lock independent sub-units of the lockable resource inde	pendently;
10	wherein the controller and a policy governing the controller co	mprise a
11	lockable resource, whereby a policy may control a lock on a second policy	olicy and the
12	second policy may control a lock on a lockable resource:	
13	wherein the controller sends the request in order to enforce a f	irst policy
14	for controlling resources in the distributed computing system;	
15	determining whether the controller holds a lock on the lockabl	e resource;
16	allowing the controller to execute the operation on the lockabl	e resource if
17	the controller holds the lock on the lockable resource;	
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10. (Original) The method of claim 1, wherein allowing the controller to

acquire the lock includes allowing the controller to acquire the lock from a

resource that allocates locks to controllers.

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allowing the controller to acquire the lock if the controller does not hold

allowing the controller to execute the operation on the lockable resource if

the lock on the lockable resource; and

the controller acquires the lock.

1	13. (Original) The computer-readable storage medium of claim 12,
2	wherein the first policy is configured to command resources in the distributed
3	computing system to perform actions so that the distributed computing system
4	operates in accordance with a rule that is enforced by the first policy, wherein the
5	rule governs behavior of resources within the distributed computing system.
1	14. (Original) The computer-readable storage medium of claim 12,
2	wherein the method further comprises throwing an exception if the controller does
3	not hold the lock on the lockable resource and if the controller does not acquire
4	the lock.
1	15. (Original) The computer-readable storage medium of claim 12,
2	wherein locks held by the controller expire after a pre-specified lease period,
3	unless the lease is renewed within the pre-specified lease period.
1	16. (Currently amended) An apparatus that provides concurrency control
2	within a policy-based management system that controls resources in a distributed
3	computing system, the apparatus comprising:
4	a receiving mechanism that receives a request to perform an operation on a
5	lockable resource from a controller in the distributed computing system, wherein
6	the lockable resource presents one or more independent locks providing access to
7	independent sub-units of the resource and wherein the one or more independent
8	locks allow multiple controllers to lock independent sub-units of the lockable
9	resource independently;
10	wherein the controller and a policy governing the controller comprise a
11	lockable resource, whereby a policy may control a lock on a second policy and the
12	second policy may control a lock on a lockable resource;

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13	wherein the controller sends the request in order to enforce a first policy
14	for controlling resources in the distributed computing system;
15	a determining mechanism that determines whether the controller holds a
16	lock on the lockable resource;
17	an execution mechanism that is configured to,
18	allow the controller to acquire the lock if the controller
19	does not hold the lock on the lockable resource, and to
20	allow the controller to execute the operation on the lockable
21	resource if the controller holds the lock on the lockable resource.
1	17. (Original) The apparatus of claim 16, wherein the first policy is
2	configured to command resources in the distributed computing system to perform
3	actions so that the distributed computing system operates in accordance with a
4	rule that is enforced by the first policy, wherein the rule governs behavior of
5	resources within the distributed computing system.
1	18. (Original) The apparatus of claim 16, wherein the execution
2	mechanism is configured to throw an exception if the controller does not hold the
3	lock on the lockable resource and if the controller does not acquire the lock.
1	19. (Original) The apparatus of claim 16, wherein the lock on the lockable
2	resource expires after a pre-specified lease period, unless the lease is renewed
3	within the pre-specified lease period.
1	20. (Original) The apparatus of claim 16, wherein the lockable resource
2	includes a resource within the distributed computing system.

1	21. (Original) The apparatus of claim 16, wherein the lockable resource
2	includes a second policy/for controlling resources in the distributed computing
3	system.
1	22. (Original) The apparatus of claim 16, wherein the controller includes a
2	client in the distributed computing system.
1	23. (Original) The apparatus of claim 16, wherein the controller includes
2	the first policy for controlling resources in the distributed computing system.
1	24. (Original) The apparatus of claim 16, wherein the controller includes a
2	higher-level policy for controlling resources in the distributed computing system,
3	and wherein the lockable resource includes a lower-level policy for controlling
4	resources in the distributed computing system.
1	25. (Original) The apparatus of claim 16, wherein the execution
2	mechanism is configured to allow the controller to acquire the lock from a
3	resource that allocates locks to controllers.
	26. (Cancelled)